

PATENT

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III. Amendments to the Specification

Please amend paragraph [0002] as follows:

[0002] An example of such composite door sensor is disclosed in a catalog of B.E.A. Inc., entitled "ACTIV8.3", retrieved through the Internet at the B.E.A. Inc. website (URL: http://www.beainc.com/ASSETS/PDF/EU_THCH_SHEET/A-8.3.PDF) on January 29, 2003.

Please amend paragraph [0042] as follows:

[0042] As shown in FIGURE 4, the composite sensor 2 has a radio-wave transmitting-receiving module 8, in which a radio-wave transmitter-receiver section 12 (FIGURE 5) is housed. The radio-wave transmitter-receiver section 12 transmits a radio wave, e.g. a microwave, from an antenna 10 and receives a reflected microwave to detect a moving object, e.g. a pedestrian. The module 8 is disposed to send and receive a radio wave toward and from a floor 14 as shown in FIGURE 1. The transmission and reception of the radio wave produces a radio-wave detection zone 16 extending from the module 8 to the floor 14. The shape of the radio-wave detection zone 16 is dependent on the directivity pattern of the antenna 10, and its width dimension is larger than the width of the door 4, as shown in FIGURE 2. The radio-wave transmitter-receiver section 12 detects a moving article in the radio-wave detection zone 16, e.g. a pedestrian moving toward the door 4. Upon detection of the moving object, e.g. a pedestrian, by the radio-wave transmitter-receiver section 12, the door 4 is opened. The radio-wave detection zone 16 is an activation zone for opening the door 4.

Please amend Paragraph [0073] as follows:

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[0073] After the execution of Step S7, the CPU 50 executes judgment processing in Step S9 to judge whether or not an object is present in at least one of the activation and safeguard zones 16 and 42. Specifically, if the result of detection made in Step S5 has been validated in Step S7, the CPU 50 makes a judgment as to whether or not there is an object, based on both of the results of detection obtained in Steps S3 and S5. On the other hand, if the result of detection obtained in Step S5 is invalidated in Step S7, the presence or absence of an object is judged based only on the result of detection obtained in Step S3.